

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: FORS-06612	Serial No.: 09/940,925	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)		Applicant: MARY ANN D. BROW <i>et al.</i>				
		Filing Date: 08/28/01		Group Art Unit: 1636		
(37 CFR § 1.98(b))		U.S. PATENT DOCUMENTS				

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
DP	1	4,683,195	7/28/87	Mullis <i>et al.</i>	435	6	2/7/86
JP	2	4,683,202	7/28/87	Mullis	435	91	10/25/85
JP 2003	3	5,108,892	4/28/92	Burke <i>et al.</i>	435	6	8/3/89
JP	4	5,144,019	9/1/92	Rossi <i>et al.</i>	535	27	6/21/89
PTM	5	4,511,502	4/16/85	Builder <i>et al.</i>	260	112	6/1/84
PTM	6	4,518,526	5/21/85	Olson	260	112	6/1/84
PTM	7	4,511,503	4/16/85	Olson <i>et al.</i>	260	112	6/1/84
PTM	8	4,512,922	4/23/85	Jones <i>et al.</i>	260	112	6/1/84
PTM	9	5,455,170	10/03/95	Abramson <i>et al.</i>	435	252.3	8/27/93
PTM	10	5,614,402	5/25/97	Dahlberg <i>et al.</i>	435	199	6/6/94
PTM	11	5,541,311	7/30/96	Dahlberg <i>et al.</i>	536	23.7	6/4/93
PTM	12	5,422,253	6/6/95	Dahlberg <i>et al.</i>	435	91.53	12/7/92
PTM	13	5,422,242	6/6/95	Young	435	6	7/17/92

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

	Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
						Yes	No
	14	WO 90/01069	2/8/90	PCT	C12Q	168	
	15	WO 92/06200	4/16/92	PCT	C12N	15.54	
	16	WO 91/09950	7/11/91	PCT	C12N	15.54	
	17	WO 90/15157	12/13/90	PCT	C12Q	168	
	18	EP 0 482 714 A1	4/29/92	EPA	C12N	15.54	

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	19	Barany, "Genetic disease detection and DNA amplification using cloned thermostable ligase," <i>Proc. Natl. Acad. Sci.</i> , 88:189 (1991);
	20	Barany, "The Ligase Chain Reaction in a PCR World," <i>PCR Methods and Appl.</i> , 1:5 (1991);
	21	Wu and Wallace, "The Ligation Amplification Reaction (LAR) - Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependent Ligation," <i>Genomics</i> 4:560 (1989);
	22	Guatelli <i>et al.</i> , "Isothermal, <i>in vitro</i> amplification of nucleic acids by a multienzyme reaction modeled after retroviral replication," <i>Proc. Natl. Acad. Sci.</i> , 87:1874-1878 (1990) with an erratum at <i>Proc. Natl. Acad. Sci.</i> , 87:7797 (1990);
	23	Kwoh <i>et al.</i> , "Transcription-based amplification system and detection of amplified human immunodeficiency virus type 1 with a bead-based sandwich hybridization format," <i>Proc. Natl. Acad. Sci.</i> , 86:1173-1177 (1989);
	24	Fahy <i>et al.</i> , "Self-sustained Sequence Replication (3SR): An Isothermal Transcription-based Amplification System Alternative to PCR," <i>PCR Meth. Appl.</i> , 1:25-33 (1991);
	25	Landgren, "Molecular mechanics of nucleic acid sequence amplification," <i>Trends in Genetics</i> 9:199 (1993);
	26	Mullis, "The Polymerase Chain Reaction in an Anemic Mode: How to Avoid Cold Oligodeoxyribonucleic Fusion," <i>PCR Methods Appl.</i> , 1:1 (1991);
	27	Kwok <i>et al.</i> , "Effects of primer-template mismatches on the polymerase chain reaction: Human immunodeficiency virus type 1 model studies," <i>Nucl. Acids Res.</i> , 18:999 (1990);

Examiner: *William S. and M.*Date Considered: *6-10-03*

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED  
JAN 30 2003  
TECH CENTER 1600/250

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	
		Attorney Docket No.: FORS-06612	
		Serial No.: 09/940125	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary) (37 CFR § 1.98(b))		Applicant: MARY ANN D. BROW <i>et al.</i>	
		Filing Date: 08/28/01	
		Group Art Unit: 626	
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			
<p>28 Duck <i>et al.</i>, "Probe Amplifier System Based on Chimeric Cycling Oligonucleotides," <i>BioTech.</i>, 9:142 (1990);</p> <p>Urdea <i>et al.</i>, "A novel method for the rapid detection of specific nucleotide sequences in crude biological samples without blotting or radioactivity; application to the analysis of hepatitis B virus in human serum," <i>Gene</i> 61:253-264 (1987);</p> <p>Gogos <i>et al.</i>, "Detection of single base mismatches of thymine and cytosine residues by potassium permanganate and hydroxylamine in the presence of tetralkylammonium salts," <i>Nucl. Acids Res.</i>, 18:6807-6817 (1990);</p> <p>Barlow and Lehrach, "Genetics by gel electrophoresis: the impact of pulsed field gel electrophoresis on mammalian genetics," <i>Trends Genet.</i>, 3:167 (1987);</p> <p>Perlman and Butow, "Mobile Introns and Intron-Encoded Proteins," <i>Science</i> 246:1106 (1989);</p> <p>Conner, <i>et al.</i>, "Detection of sickle cell <math>\beta^S</math>-globin allele by hybridization with synthetic oligonucleotides," <i>Proc. Natl. Acad. Sci.</i> 80:278-282 (1983);</p> <p>Vogelstein <i>et al.</i>, "Genetic Alterations During Colorectal-Tumor Development," <i>N. Eng. J. Med.</i> 319:525-532 (1988);</p> <p>Farr <i>et al.</i>, "Analysis of RAS gene mutations in acute myeloid leukemia by polymerase chain reaction and oligonucleotide probes," <i>Proc. Natl. Acad. Sci.</i> 85:1629-1633 (1988);</p> <p>Lyons, <i>et al.</i>, "Two G Protein Oncogenes in Human Endocrine Tumors," <i>Science</i> 249:655-659 (1990);</p> <p>Abrams <i>et al.</i>, "Comprehensive Detection of Single Base Changes in Human Genomic DNA Using Denaturing Gradient Gel Electrophoresis and a GC Clamp," <i>Genomics</i> 7:463-475 (1990);</p> <p>Sheffield, <i>et al.</i>, "Attachment of a 40-base-pair G+C-rich sequence (GC-clamp) to genomic DNA fragments by the polymerase chain reaction results in improved detection of single-base changes," <i>Proc. Natl. Acad. Sci.</i>, 86:232-236 (1989);</p> <p>Lerman and Silverstein, "Computational Simulation of DNA Melting and Its Application to Denaturing Gradient Gel Electrophoresis," <i>Meth. Enzymol.</i>, 155:482-501 (1987);</p> <p>Wartell <i>et al.</i>, "Detecting base pair substitutions in DNA fragments by temperature-gradient gel electrophoresis," <i>Nucl. Acids Res.</i>, 18:2699-2701 (1990);</p> <p>Smith <i>et al.</i>, "Novel Method of Detecting Single Base Substitutions in RNA Molecules by Differential Melting Behavior in Solution," <i>Genomics</i> 3:217-223 (1988);</p> <p>Borresen <i>et al.</i>, "Constant denaturant gel electrophoresis as a rapid screening technique for p53 mutations," <i>Proc. Natl. Acad. Sci. USA</i> 88:8405 (1991);</p> <p>Scholz, <i>et al.</i>, "Rapid screening for Tp53 mutations by temperature gradient gel electrophoresis: a comparison with SSCP analysis," <i>Hum. Mol. Genet.</i> 2:2155 (1993);</p> <p>Hayashi, "PCR-SSCP: A Simple and Sensitive Method for Detection of Mutations in the Genomic DNA," <i>PCR Meth. Appl.</i>, 1:34-38, (1991);</p> <p>Orita, <i>et al.</i>, "Rapid and Sensitive Detection of Point Mutations and DNA Polymorphisms Using the polymerase Chain Reaction," <i>Genomics</i> 5:874-879, (1989);</p> <p>Liu and Sommer, "Parameters Affecting the Sensitivity of Dideoxy Fingerprinting and SSCP," <i>PCR Methods Appl.</i>, 4:97 (1994);</p> <p>Marmur and Lane, "Strand Separation and Specific Recombination in Deoxyribonucleic acids: Biological Studies," <i>Proc. Natl. Acad. Sci. USA</i> 46:453 (1960);</p> <p>Doty <i>et al.</i>, "Strand Separation and Specific Recombination in Deoxyribonucleic Acids: Physical Chemical Studies," <i>Proc. Natl. Acad. Sci. USA</i> 46:461 (1960);</p> <p>Wallace <i>et al.</i>, "Application of synthetic oligonucleotides to the diagnosis of human genetic diseases," <i>Biochimie</i> 67:755 (1985);</p> <p>Studencki and Wallace, "Allele-Specific Hybridization using Oligonucleotide Probes of Very High Specific Activity: Discrimination of the Human <math>\beta^A</math>- and <math>\beta^S</math>-Globin Genes," <i>DNA</i> 3:1 (1984);</p> <p>Studencki <i>et al.</i>, "Discrimination among the Human <math>\beta^A</math>, <math>\beta^S</math>, and <math>\beta^C</math>-Globin Genes Using Allele-Specific Oligonucleotide Hybridization Probes," <i>Human Genetics</i> 37:42 (1985);</p> <p>Harrington and Liener, "Functional domains within FEN-1 and RAD2 define a family of structure-specific endonucleases: implications for nucleotide excision repair," <i>Genes and Develop.</i> 8:1344 (1994);</p> <p>Murante <i>et al.</i>, "The Calf 5'- to 3'-Exonuclease Is Also an Endonuclease with Both Activities Dependent on Primers Annealed Upstream of the Point of Cleavage," <i>J. Biol. Chem.</i> 269:1191 (1994);</p>			
Examiner: <i>William Sommer</i>	Date Considered: 6-10-07		
EXAMINER: <i>Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</i>			

RECEIVED  
JAN 3 2003  
TECH CENTER 1600/2900

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: FORS-06612	Serial No.: 09/940,925
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)  (37 CFR § 1.98(b))		Applicant: MARY ANN D. BROW <i>et al.</i>		Group Art Unit: 360
		Filing Date: 08/28/01		
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)				
54	Kornberg, <i>DNA Replication</i> , W.H. Freeman and Co., San Francisco, pp. 127-139 (1980);			
55	Tindall and Kunkell, Fidelity of DNA Synthesis by the <i>Thermus aquaticus</i> DNA Polymerase," <i>Biochem.</i> 27:6008 (1988);			
56	Brutlag <i>et al.</i> , "An Active Fragment of DNA Polymerase Produced By Proteolytic Cleavage," <i>Biochem. Biophys. Res. Commun.</i> 37:982 (1969);			
57	Erlich <i>et al.</i> , "Recent Advances in the Polymerase Chain Reaction," <i>Science</i> 252:1643 (1991);			
58	Setlow and Kornberg, "Deoxyribonucleic Acid Polymerase: Two Distinct Enzymes in One Polypeptide," <i>J. Biol. Chem.</i> 247:232 (1972);			
59	Gelfand, <i>PCR Technology - Principles and Applications for DNA Amplification</i> (H.A. Erlich, Ed.), Stockton Press, New York, p. 19 (1989);			
60	Holland <i>et al.</i> , "Detection of specific polymerase chain reaction product by utilizing the 5'-3' exonuclease activity of <i>Thermus aquaticus</i> DNA polymerase," <i>Proc. Natl. Acad. Sci. USA</i> 88:7276 (1991);			
61	Lawyer <i>et al.</i> , "Isolation, Characterization, and Expression in <i>Escherichia coli</i> of the DNA Polymerase Gene from <i>Thermus aquaticus</i> ," <i>J. Biol. Chem.</i> 264:6427 (1989);			
62	Akhmetzjanov and Vakhitov, "Molecular cloning and nucleotide sequence of the DNA polymerase gene from <i>Thermus flavus</i> ," <i>Nucl. Acids Res.</i> 20:5839 (1992);			
63	Setlow <i>et al.</i> , "Deoxyribonucleic Acid Polymerase: Two Distinct Enzymes in One Polypeptide," <i>J. Biol. Chem.</i> 247:224 (1972);			
64	Levine, "The Tumor Suppressor Genes," <i>Annu. Rev. Biochem.</i> 62:623 (1993);			
65	Lane and Benchimol, "p53: oncogene or anti-oncogene," <i>Genes Dev.</i> 4:1 (1990);			
66	Lowe <i>et al.</i> , "p53-Dependent Apoptosis Modulates the Cytotoxicity of Anticancer Agents," <i>Cell</i> 74:957 (1995);			
67	Hollstein, <i>et al.</i> , "Database of p53 gene somatic mutations in human tumors and cell lines," <i>Nucleic Acids Res.</i> 22:3551 (1994);			
68	Cariello <i>et al.</i> , "Database and software for the analysis of mutations at the human p53 gene," <i>Nucleic Acids Res.</i> 22:3549 (1994);			
69	Hollstein <i>et al.</i> , "Database of p53 gene somatic mutations in human tumors and cell lines," <i>Nucleic Acids Res.</i> 22:3551 (1994);			
70	Higuchi, R., In Ehrlich, H.A. (Ed.), <i>PCR Technology: Principles and Applications for DNA Amplification</i> , Stockton Press, New York, pp. 61-70 (1991);			
71	Nelson and Long, "A General Method of Site-Specific Mutagenesis Using a Modification of the <i>Thermus aquaticus</i> Polymerase Chain Reaction," <i>Analytical Biochem.</i> 180:147 (1989);			
72	Altamirano <i>et al.</i> , "Identification of Hepatitis C Virus Genotypes among Hospitalized Patients in British Columbia, Canada," <i>J. Infect. Dis.</i> 171:1034 (1995);			
73	Kanai <i>et al.</i> , "HCV genotypes in chronic hepatitis C and response to interferon," <i>Lancet</i> 339:1543 (1992);			
74	Yoshioka <i>et al.</i> , "Detection of Hepatitis C Virus by Polymerase Chain Reaction and Response to Interferon- $\alpha$ Therapy: Relationship to Genotypes of Hepatitis C Virus," <i>Hepatology</i> 16:293 (1992);			
75	Okamoto <i>et al.</i> , "Typing hepatitis C virus by polymerase chain reaction with type-specific primers: application to clinical surveys and tracing infectious sources," <i>J. Gen. Virol.</i> 73:673 (1992);			
76	Frieden <i>et al.</i> , "The Emergence of Drug-Resistant Tuberculosis in New York City," <i>New Engl. J. Med.</i> 328:521 (1993);			
77	Hughes, <i>Scrip Magazine</i> May (1994);			
78	Jacobs, Jr., "Multiple-Drug-Resistant Tuberculosis," <i>Clin. Infect. Dis.</i> 19:1 (1994);			
79	Donnabella <i>et al.</i> , "Isolation of the Gene for the $\beta$ Subunit of RNA Polymerase from Rifampicin-resistant <i>Mycobacterium tuberculosis</i> and Identification of New Mutations," <i>Am. J. Respir. Dis.</i> 11:639 (1994);			
80	Jacobs, Jr. <i>et al.</i> , "Rapid Assessment of Drug Susceptibilities of <i>Mycobacterium tuberculosis</i> by Means of Luciferase Reporter Phages," <i>Science</i> 260:819 (1993);			
Examiner: <i>William S. Sartoris</i> <i>GW</i>	Date Considered: 6-10-03			

TECH CENTER 1600/2000

RECEIVED  
JAN 3 2003

RECEIVED  
U.S. PATENT AND TRADEMARK OFFICE  
JAN 30 2003  
1630002900

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: FORS-06612	Serial No.: 09/940,921
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary) (37 CFR § 1.98(b))		Applicant: MARY ANN D. BROW <i>et al.</i>		
		Filing Date: 08/28/01	Group Art Unit: 1630002900	
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)				
81	Shinnick and Jones in <i>Tuberculosis: Pathogenesis, Protection and Control</i> , Bloom, ed., American Society of Microbiology, Washington, D.C., pp. 517-530 (1994);			
82	Yule, "Amplification-Based Diagnostics Target TB," <i>Bio/Technology</i> 12:1335 (1994);			
83	Heym <i>et al.</i> , "Implications of multidrug resistance for the future of short-course chemotherapy of tuberculosis: a molecular study," <i>Lancet</i> 344:293 (1994);			
84	Morris <i>et al.</i> , "Molecular Mechanisms of Multiple Drug Resistance in Clinical Isolates of <i>Mycobacterium tuberculosis</i> ," <i>J. Infect. Dis.</i> 171:954 (1995);			
85	Banerjee <i>et al.</i> , "inhA, a Gene Encoding a Target for Isoniazid and Ethionamide in <i>Mycobacterium tuberculosis</i> ," <i>Science</i> 263:227 (1994);			
86	Woese, "Bacterial Evolution," <i>Microbiological Reviews</i> , vol 51, No. 2. (1987);			
87	Shibata, "Preparation of Nucleic Acid for Archival Material," in <i>PCR: The Polymerase Chain Reaction</i> , Mullis <i>et al.</i> , eds. Birkhauser, Boston, pp. 47-54 (1994);			
88	Saiki <i>et al.</i> , "Primer-Directed Enzymatic Amplification of DNA with a Thermostable DNA Polymerase," <i>Science</i> 239:487 (1988);			
89	Mullis and Faloona, "Specific Synthesis of DNA <i>in Vitro</i> via a Polymerase-Catalyzed Chain Reaction," <i>Methods in Enzymology</i> 155:335 (1987);			
90	M. Bargseid <i>et al.</i> , "A High Fidelity Thermostable DNA Polymerase Isolated from <i>Pyrococcus furiosus</i> ," <i>Strategies</i> (Startagene, LaJolla, CA) 4:34 (1991);			
91	Perler <i>et al.</i> , "Intervening sequences in an Archaea DNA polymerase gene," <i>Proc. Natl. Acad. Sci. USA</i> 89:5577 (1992);			
92	Kaledin <i>et al.</i> , "Isolation and Properties of DNA Polymerase From the Extremely Thermophilic Bacterium <i>Thermus flavus</i> ," <i>Biokhimiya</i> 46:1576 (1981);			
93	Carballeira <i>et al.</i> , "Purification of a Thermostable DNA Polymerase from <i>Thermus thermophilus</i> HB8, Useful in the Polymerase Chain Reaction," <i>Biotechniques</i> 9:276 (1990);			
94	Myers <i>et al.</i> , "Reverse Transcription and DNA amplification by a <i>Thermus thermophilus</i> DNA Polymerase," <i>Biochem.</i> 30:7661 (1991);			
95	Ito <i>et al.</i> , "Compilation and alignment of DNA polymerase sequences," <i>Nucl. Acids Res.</i> 19:4045 (1991);			
96	Mathur <i>et al.</i> , The DNA polymerase gene from the hyperthermophilic marine archaeabacterium <i>Pyrococcus furiosus</i> , shows sequence homology with $\alpha$ -like DNA polymerases," <i>Nucl. Acids. Res.</i> 19:6952 (1991);			
97	Dunn <i>et al.</i> , "Complete Nucleotide Sequence of Bacteriophage T7 DNA and the Locations of T7 Genetic Elements," <i>J. Mol. Biol.</i> 166:477 (1983);			
98	Antao <i>et al.</i> , "A thermodynamic study of unusually stable RNA and DNA hairpins," <i>Nucl. Acids Res.</i> 19:5901 (1991);			
99	Stark, "Multicopy expression vectors carrying the lac repressor gene for regulated high-level expression of genes in <i>Escherichia coli</i> ," <i>Gene</i> 5:255 (1987);			
100	Studier and Moffatt, "Use of Bacteriophage T7 RNA Polymerase to Direct Selective High-level Expression of Cloned Genes," <i>J. Mol. Biol.</i> 189:113 (1986);			
101	Sambrook <i>et al.</i> , <u>Molecular Cloning. A Laboratory Manual</u> , Cold Spring Harbor Laboratory Press, Cold Spring Harbor, pp. 1.63-1.69 (1989);			
102	Engelke, "Purification of <i>Thermus Aquaticus</i> DNA Polymerase Expressed in <i>Escherichia coli</i> ," <i>Anal. Biochem</i> 191:396 (1990);			
103	Copley and Boot, "Exonuclease Cycling Assay: An Amplified Assay for the Detection of Specific DNA Sequences," <i>BioTechniques</i> 13:888 (1992);			
104	King, R.A., <i>et al.</i> , "Non-random Distribution of Missense Mutations Within the Human Tyrosinase Gene in Type 1 (Tyrosinase-related)Oculocutaneous Albinism," <i>Mol. Biol. Med.</i> 8:19 (1991);			
105	Giebel <i>et al.</i> , "Organization and Nucleotide Sequences of the Human Tyrosinase Gene and a Truncated Tyrosinase-Related Segment," <i>Genomics</i> 9:435 (1991);			
106	Spritz, "Molecular genetics of oculocutaneous albinism," <i>Human Molecular Genetics</i> 3:1469 (1994);			
Examiner: <i>William Saito</i>		Date Considered: 6-10-03		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				

FCRM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: FORS-06612	Serial No.: 09/940,925
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)  (37 CFR § 1.98(b))		Applicant: MARY ANN D. BROW <i>et al.</i>		
		Filing Date: 08/28/01	Group Art Unit: 1632	

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

107	Giebel <i>et al.</i> , "A Tyrosinase Gene Missense Mutation in Temperature-sensitive Type I Oculocutaneous Albinism," <i>J. Clin. Invest.</i> 87:1119 (1991);
108	Bouchard <i>et al.</i> , "Induction of Pigmentation in Mouse Fibroblasts by Expression of Human Tyrosinase cDNA," <i>J. Exp. Med.</i> 169:2029 (1989);
109	Orkin and Kazazian, "The Mutation and Polymorphism of the Human $\beta$ -Globin Gene and its Surrounding DNA," <i>Annu. Rev. Genet.</i> 18:13 (1984);
110	Collins and Weissman, "The Molecular Genetics of Human Hemoglobin," <i>Prog. Nucleic Acid Res. Mol. Biol.</i> 31:315 (1984);
111	Lawn <i>et al.</i> , "The Nucleotide Sequence of the Human $\beta$ -Globin Gene," <i>Cell</i> 21:647 (1980);
112	Orkin and Goff, "Nonsense and Frameshift Mutations in $\beta^0$ -Thalassemia Detected in Cloned $\beta$ -Globin Genes," <i>J. Biol. Chem.</i> 256:9782 (1981);
113	Goldsmith <i>et al.</i> , "Silent nucleotide substitution in a $\beta^+$ -thalassemia globin gene activates splice site in coding sequence RNA," <i>Proc. Natl. Acad. Sci. USA</i> 80:2318 (1983);
114	Giddings <i>et al.</i> , "An adaptive, object oriented strategy for base calling in DNA sequence analysis," <i>Nucl. Acids Res.</i> 21:4530 (1993);
115	Trivedi <i>et al.</i> , "Selective Amplification of Simian Immunodeficiency Virus Genotypes after Intrarectal Inoculation of Rhesus Monkeys," <i>Journal of Virology</i> 68:7649 (1994);
116	Nugent <i>et al.</i> , "Characterization of the Apurinic Endonuclease Activity of <i>Drosophila</i> Rrpl," <i>Biochemistry</i> , 32:11445 (1993);
117	Bardwell <i>et al.</i> , "Specific Cleavage of Model Recombination and Repair Intermediates by the Yeast Rad1-Rad10 DNA Endonuclease," <i>Science</i> 265:2082 (1994);
118	Orkin <i>et al.</i> , "Abnormal RNA processing due to the exon mutation of $\beta^E$ -globin gene," <i>Nature</i> , 300:768 (1982);
119	Spritz <i>et al.</i> , "Base substitution in an intervening sequence of a $\beta^+$ -thalassemic human globin gene," <i>Proc. Natl. Acad. Sci. USA</i> , 78:2455 (1981);
120	Baker <i>et al.</i> , "Suppression of Human Colorectal Carcinoma Cell Growth by Wild-Type p53," <i>Science</i> 249:912 (1990);
121	Chen <i>et al.</i> , "Genetic Mechanisms of Tumor Suppression by the Human p53 Gene," <i>Science</i> 250:1576 (1990);
122	Hollstein <i>et al.</i> , "p53 Mutations in Human Cancers," <i>Science</i> 253:49 (1991);
123	Caron de Fromental and Soussi, "TP53 Tumor Suppressor Gene: A Model for Investigating Human Mutagenesis," <i>Genes, Chromosomes and Cancer</i> 4:1 (1992);
124	Inchauspe <i>et al.</i> , "Use of Conserved Sequences from Hepatitis C Virus for the Detection of Viral RNA in Infected Sera by Polymerase Chain Reaction," <i>Hepatology</i> 14:595 (1991);
125	Miller <i>et al.</i> , "The <i>rpoB</i> Gene of <i>Mycobacterium tuberculosis</i> ," <i>Antimicrob. Agents Chemother.</i> , 38:805 (1994);
126	Cockerill <i>et al.</i> , "Rapid Identification of a Point Mutation of the <i>Mycobacterium tuberculosis</i> Catalase-Peroxidase ( <i>katG</i> ) Gene Associated with Isoniazid Resistance," <i>J. Infect. Dis.</i> 171:240 (1995);
127	Greisen <i>et al.</i> , "PCR Primers and Probes for the 16S rRNA Gene of Most Species of Pathogenic Bacteria, Including Bacterial Found in Cerebrospinal Fluid," <i>J. Clin. Microbiol.</i> 32:335 (1994);
128	Widjojoatmonjo <i>et al.</i> , "Rapid Identification of Bacteria by PCR-Single-Strand Conformation Polymorphism," <i>J. Clin. Microbiol.</i> 32:3002 (1994);
129	Maidak <i>et al.</i> , "The Ribosomal Database project," <i>Nucleic Acids Res.</i> , 22:3485 (1994);
130	McConlogue <i>et al.</i> , "Structure-independent DNA amplification by PCR using 7-deaza-2'-deoxyguanosine," <i>Nucleic Acids Res.</i> 16:20 (1988);
131	D.S. Sigman <i>et al.</i> , "Chemical Nucleases," <i>Chemical Reviews</i> 93:2295-2316 (1993);
132	T.R. Cech <i>et al.</i> , "Secondary Structure of the <i>Tetrahymena</i> Ribosomal RNA intervening sequence, Structural homology with fungal mitochondrial intervening sequences," <i>Proc. Natl. Acad. Sci. USA</i> 80:3903 (1983);

Examiner: *William Connolly*Date Considered: *6-10-03*

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED  
JAN 3 0 2003  
TECH CENTER 1600/2900

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: FORS-06612	Serial No.: 09/940,925
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)  (37 CFR § 1.98(b))		Applicant: MARY ANN D. BROW <i>et al.</i>		
		Filing Date: 08/28/01	Group Art Unit: 1636	
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)				
133	C.R. Woese <i>et al.</i> , "Detailed Analysis of the Higher Order Structure of 16S Like Ribosomal Ribonucleic Acids," <i>Microbiology Reviews</i> 47:621 (1983);			
134	Hoheisel <i>et al.</i> , "On The Activities of <i>Escherichia coli</i> Exonuclease III," <i>Anal. Biochem.</i> 209:238-246 (1993);			
135	R. Youil <i>et al.</i> , "Screening for Mutations by Enzyme Mismatch Cleavage with T4 Endonuclease VII," <i>Proc. Natl. Acad. Sci. USA</i> (1995);			
136	Murphy <i>et al.</i> , "Use of the 5' Noncoding Region for Genotyping Hepatitis C Virus," <i>J. Infect. Diseases</i> 169:473 (1994).			
137	Takada <i>et al.</i> , "HCV genotypes in different countries," <i>Lancet</i> 339:808 (1992).			
138	Belkum, "DNA Fingerprinting of Medically Important Microorganisms by Use of PCR," <i>Clin. Microbiol. Rev.</i> 7(2): 174-184 (1994).			
139	Wilson <i>et al.</i> , "Amplification of Bacterial 16S Ribosomal DNA with Polymerase Chain Reaction," <i>J. Clin. Microbiol.</i> 28(9):1942-1946 (1990).			
140	Bingen <i>et al.</i> , "Use of Ribotyping in Epidemiological Surveillance of Nosocomial Outbreaks," <i>Clin. Microbiol. Rev.</i> 7(3):311-327 (1994).			
141	Tabor <i>et al.</i> , "Effect of Manganese Ions On The Incorporation of Dideoxynucleotides By Bacteriophage T7 DNA Polymerase and <i>Escherichia coli</i> DNA Polymerase I," <i>Proc. Natl. Acad. Sci. USA</i> 86:4076-4080 (1989)			
142	Lyamichev <i>et al.</i> , "Structure-specific endonucleolytic cleavage of nucleic acids by eubacterial DNA polymerases," <i>Science</i> 260:778-783 (1993)			
143	Seela <i>et al.</i> , "7-deazapurine containing DNA: efficiency of 7-deaza-dGTP, 7-deaza-dATP, and 7-deaza-dITP incorporation during PCR-amplification and protection from endodeoxyribonuclease hydrolysis," <i>Nuc. Acids Res.</i> 20(1):55-612 (1992)			
144	Young <i>et al.</i> , "Detection of hepatitis C virus RNA by a combined reverse transcription-polymerase chain reaction assay," <i>J. Clin. Microbiol.</i> 31(4) 882-886 (1993)			
Examiner: <i>Mary Ann Sanders</i>		Date Considered: 6-10-03		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				

RECEIVED  
JAN 30 2003  
TECH CENTER 1600/2900